WEST Search History

DATE: Tuesday, January 07, 2003

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=ADJ			
L24	L23 and steroid	41	L24
L23	hair adj color	1059	L23
L22	L20 not L21	7	L22
L21	L20 and (stimulating adj hormone)	18	L21
L20	melanocyte and (DHEA or pregnenolone or androstenedione)	25	L20
L19	melanocyte and alopecia	34	L19
L18	alopecia and canities	4	L18
L17	L16 and color	0	L17
L16	L15 and DHEA	1	L16
L15	6030948	1	L15
DB=DWPI; PLUR=YES; OP=ADJ			
L14	2777181	3	L14
DB=USPT; PLUR=YES; OP=ADJ			
L13	L11 and (DHEA or pregnenolone)	23	L13
L12	L11 near10 (DHEA or pregnenolone)	0	L12
L11	melanocyte	1883	L11
L10	L9 and (steroid or hormone or DHEA)	9	L10
L9	canities	17	L9
L8	6335023	2	L8
L7	freckle or lentigo or lentigines or melasma or hyperpigmentation	871	L7
L6	L5[pn]	1	L6
L5	3856934	24	L5
L4	4046886[pn]	1	L4
L3	4131650	12	L3
L2	3627871	16	L2
L1	4474763	20	L1

END OF SEARCH HISTORY

```
Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1621MXW

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 16:33:49 ON 07 JAN 2003
FILE 'REGISTRY' ENTERED AT 16:33:49 ON 07 JAN 2003
COPYRIGHT (C) 2003 American Chemical Society (ACS)

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.40       0.61

=> file registry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.40       0.61

FILE 'REGISTRY' ENTERED AT 16:34:00 ON 07 JAN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:     6 JAN 2003  HIGHEST RN 478238-10-7
DICTIONARY FILE UPDATES:    6 JAN 2003  HIGHEST RN 478238-10-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> e hydroxypregnenolone
E1            1     HYDROXYPREGNENE/BI
E2           33     HYDROXYPREGNENOL/BI
E3           33 --> HYDROXYPREGNENOLONE/BI
E4            1     HYDROXYPREGNENON/BI
E5            1     HYDROXYPREGNENONE/BI
E6            1     HYDROXYPREHNIT/BI
E7            1     HYDROXYPREHNITENE/BI
E8            1     HYDROXYPREN/BI
E9            1     HYDROXYPRENANE/BI
E10           1     HYDROXYPRENYL/BI
E11           1     HYDROXYPRENYLAMINE/BI
E12           1     HYDROXYPREPN/BI

=> d e3
```

NO L# DEFINED

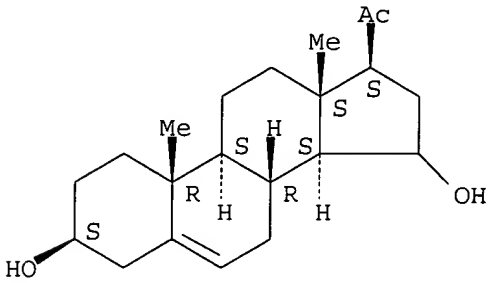
=> e3
E3 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s e3
L1 33 HYDROXYPREGNENOLONE/BI

=> d L1 1-5

L1 ANSWER 1 OF 33 REGISTRY COPYRIGHT 2003 ACS
RN 335317-13-0 REGISTRY
CN Pregn-5-en-20-one, 3,15-dihydroxy-, (3.beta.)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **15.xi.-Hydroxypregnenolone**
FS STEREOSEARCH
MF C21 H32 O3
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

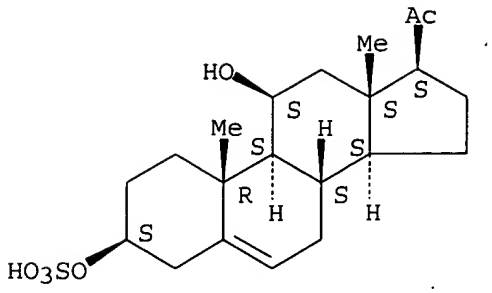


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 2 OF 33 REGISTRY COPYRIGHT 2003 ACS
RN 159735-67-8 REGISTRY
CN Pregn-5-en-20-one, 11-hydroxy-3-(sulfooxy)-, (3.beta.,11.beta.)- (9CI)
(CA INDEX NAME)
OTHER NAMES:
CN **11.beta.-Hydroxypregnenolone 3-sulfate**
FS STEREOSEARCH
MF C21 H32 O6 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

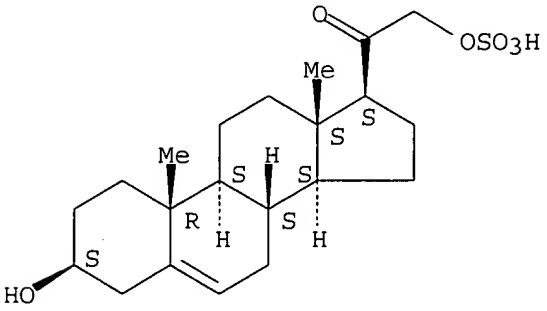


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1962 TO DATE)
6 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 3 OF 33 REGISTRY COPYRIGHT 2003 ACS
RN 88378-34-1 REGISTRY
CN Pregn-5-en-20-one, 3-hydroxy-21-(sulfooxy)-, (3.beta.)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **21-Hydroxypregnenolone 21-sulfate**
FS STEREOSEARCH
MF C21 H32 O6 S
CI COM
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)

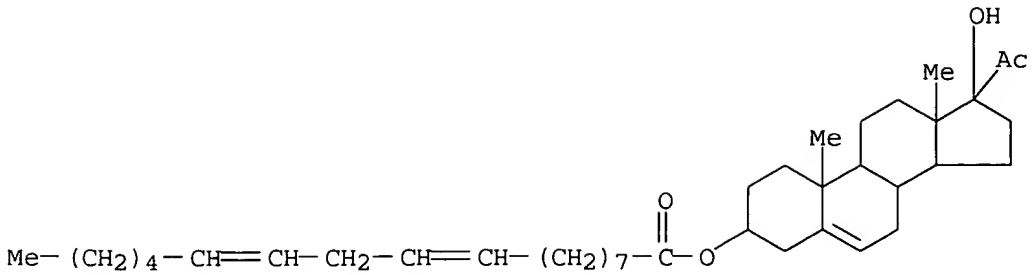
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

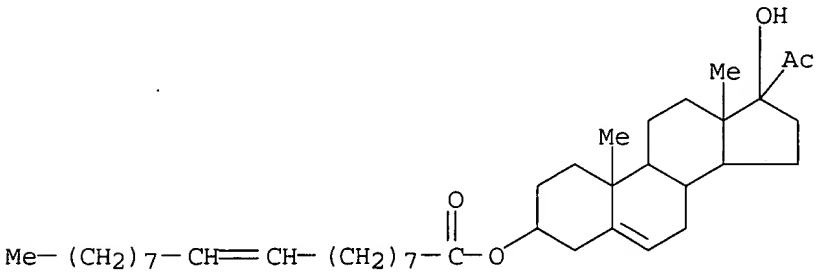
L1 ANSWER 4 OF 33 REGISTRY COPYRIGHT 2003 ACS
RN 73646-87-4 REGISTRY
CN Pregn-5-en-20-one, 17-hydroxy-3-[(1-oxo-9,12-octadecadienyl)oxy]-, [3.beta.(9Z,12Z)]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **17-Hydroxypregnenolone linoleate**
MF C39 H62 O4
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 5 OF 33 REGISTRY COPYRIGHT 2003 ACS
RN 73646-86-3 REGISTRY
CN Pregn-5-en-20-one, 17-hydroxy-3-[(1-oxo-9-octadecenyl)oxy]-, [3.beta.(Z)]-(9CI) (CA INDEX NAME)
OTHER NAMES:
CN **17-Hydroxypregnenolone oleate**
MF C39 H64 O4
LC STN Files: CA, CAPLUS



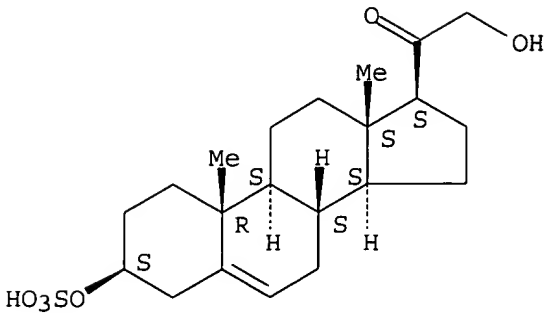
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> d L1 6-10

L1 ANSWER 6 OF 33 REGISTRY COPYRIGHT 2003 ACS
RN 60530-37-2 REGISTRY
CN Pregn-5-en-20-one, 21-hydroxy-3-(sulfooxy)-, (3.beta.)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pregn-5-en-20-one, 3.beta.,21-dihydroxy-, 3-(hydrogen sulfate) (7CI)
OTHER NAMES:
CN **21-Hydroxypregnenolone 3-sulfate**
FS STEREOSEARCH
MF C21 H32 O6 S
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)

Absolute stereochemistry.

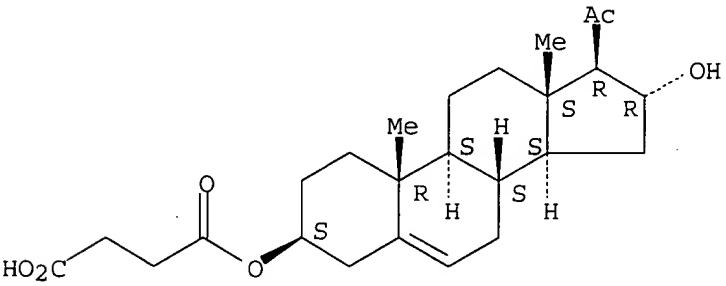


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1962 TO DATE)
4 REFERENCES IN FILE CAPLUS (1962 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 7 OF 33 REGISTRY COPYRIGHT 2003 ACS
RN 57817-90-0 REGISTRY
CN Pregn-5-en-20-one, 3-(3-carboxy-1-oxopropoxy)-16-hydroxy-, (3.beta.,16.alpha.)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **16.alpha.-Hydroxypregnenolone-3-succinate**
FS STEREOSEARCH
MF C25 H36 O6
LC STN Files: BEILSTEIN*, CA, CAPLUS, NAPRALERT, TOXCENTER
(*File contains numerically searchable property data)

Absolute stereochemistry.

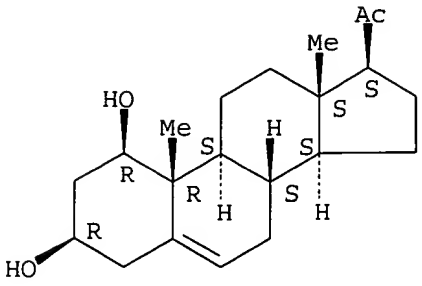


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 8 OF 33 REGISTRY COPYRIGHT 2003 ACS
RN 57670-43-6 REGISTRY
CN Pregn-5-en-20-one, 1,3-dihydroxy-, (1.beta.,3.beta.)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **1.beta.-Hydroxypregnenolone**
FS STEREOSEARCH
MF C21 H32 O3
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)

Absolute stereochemistry.

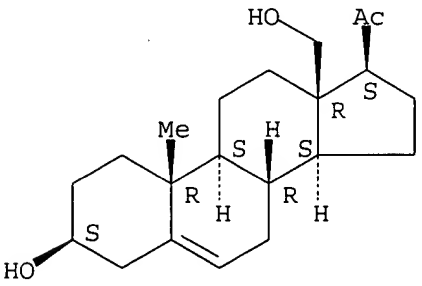


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 9 OF 33 REGISTRY COPYRIGHT 2003 ACS
RN 51783-01-8 REGISTRY
CN Pregn-5-en-20-one, 3,18-dihydroxy-, (3.beta.)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **18-Hydroxypregnenolone**
FS STEREOSEARCH
MF C21 H32 O3
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

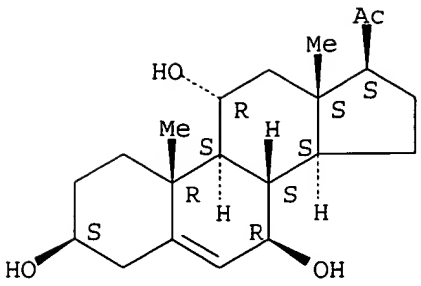


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 10 OF 33 REGISTRY COPYRIGHT 2003 ACS
RN 50888-40-9 REGISTRY
CN Pregn-5-en-20-one, 3,7,11-trihydroxy-, (3.beta.,7.beta.,11.alpha.)- (9CI)
(CA INDEX NAME)
OTHER NAMES:
CN 3.beta.,7.beta.,11.alpha.-Trihydroxypregn-5-en-20-one
CN **7.beta.,11.alpha.-Dihydroxypregnenolone**
FS STEREOSEARCH
MF C21 H32 O4
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)

Absolute stereochemistry.



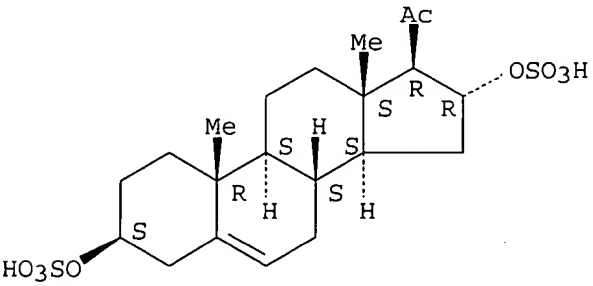
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> d L1 11-15

L1 ANSWER 11 OF 33 REGISTRY COPYRIGHT 2003 ACS
RN 33256-48-3 REGISTRY
CN Pregn-5-en-20-one, 3,16-bis(sulfooxy)-, (3.beta.,16.alpha.)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pregn-5-en-20-one, 3.beta.,16.alpha.-dihydroxy-, bis(hydrogen sulfate) (8CI)
OTHER NAMES:
CN **16.alpha.-Hydroxypregnenolone disulfate**
FS STEREOSEARCH
DR 40248-19-9
MF C21 H32 O9 S2
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)

Absolute stereochemistry.



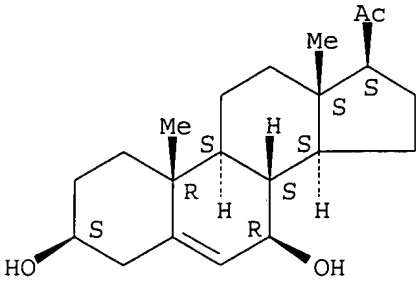
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1962 TO DATE)
5 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 12 OF 33 REGISTRY COPYRIGHT 2003 ACS
RN 30626-97-2 REGISTRY
CN Pregn-5-en-20-one, 3,7-dihydroxy-, (3.beta.,7.beta.)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pregn-5-en-20-one, 3.beta.,7.beta.-dihydroxy- (8CI)

OTHER NAMES:
CN 3.beta.,7.beta.-Dihydroxy-5-pregnen-20-one
CN **7.beta.-Hydroxypregnenolone**
FS STEREOSEARCH
MF C21 H32 O3
LC STN Files: BEILSTEIN*, CA, CAPLUS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.

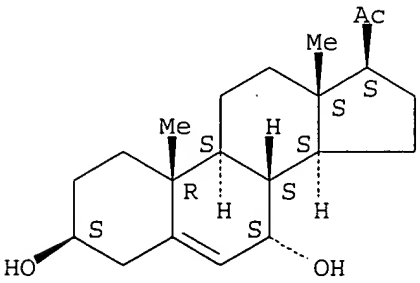


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

11 REFERENCES IN FILE CA (1962 TO DATE)
11 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 13 OF 33 REGISTRY COPYRIGHT 2003 ACS
RN 30626-96-1 REGISTRY
CN Pregn-5-en-20-one, 3,7-dihydroxy-, (3.beta.,7.alpha.)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pregn-5-en-20-one, 3.beta.,7.alpha.-dihydroxy- (8CI)
OTHER NAMES:
CN 3.beta.,7.alpha.-Dihydroxy-5-pregnen-20-one
CN **7.alpha.-Hydroxypregnenolone**
FS STEREOSEARCH
MF C21 H32 O3
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

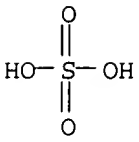
28 REFERENCES IN FILE CA (1962 TO DATE)
28 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 14 OF 33 REGISTRY COPYRIGHT 2003 ACS

RN 30209-14-4 REGISTRY
CN Pregn-5-en-20-one, 3,21-dihydroxy-, mono(hydrogen sulfate), (3.beta.)-(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pregn-5-en-20-one, 3.beta.,21-dihydroxy-, hydrogen sulfate (7CI)
OTHER NAMES:
CN **21-Hydroxypregnenolone monosulfate**
FS STEREOSEARCH
MF C21 H32 O6 S
CI IDS
LC STN Files: CA, CAOLD, CAPLUS

CM 1

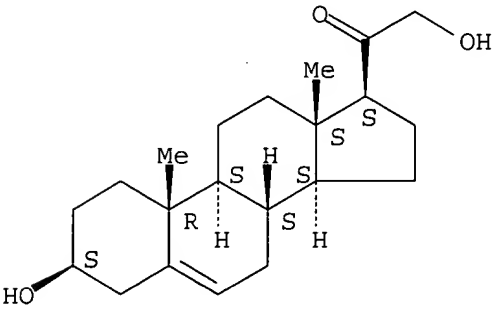
CRN 7664-93-9
CMF H2 O4 S



CM 2

CRN 1164-98-3
CMF C21 H32 O3

Absolute stereochemistry.



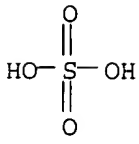
3 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 15 OF 33 REGISTRY COPYRIGHT 2003 ACS
RN 28901-70-4 REGISTRY
CN Pregn-5-en-20-one, 3,17-dihydroxy-, mono(hydrogen sulfate), (3.beta.)-(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pregn-5-en-20-one, 3.beta.,17-dihydroxy-, mono(hydrogen sulfate) (8CI)
OTHER NAMES:
CN **17-Hydroxypregnenolone monosulfate**
CN **17.alpha.-Hydroxypregnenolone monosulfate**
CN **17.alpha.-Hydroxypregnenolone sulfate**
FS STEREOSEARCH
MF C21 H32 O6 S
CI IDS, COM

LC STN Files: CA, CAPLUS, MEDLINE, TOXCENTER, USPAT2, USPATFULL

CM 1

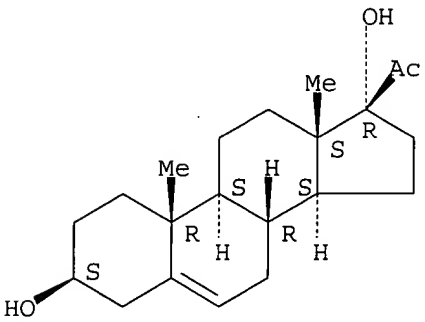
CRN 7664-93-9
CMF H2 O4 S



CM 2

CRN 387-79-1
CMF C21 H32 O3

Absolute stereochemistry.



33 REFERENCES IN FILE CA (1962 TO DATE)
33 REFERENCES IN FILE CAPLUS (1962 TO DATE)

```
=> e dihydroxyandrost
E1            1     DIHYDROXYANDIROBI/BI
E2            1     DIHYDROXYANDIROBIN/BI
E3          203 --> DIHYDROXYANDROST/BI
E4           33     DIHYDROXYANDROSTA/BI
E5          207     DIHYDROXYANDROSTAN/BI
E6           16     DIHYDROXYANDROSTANE/BI
E7            1     DIHYDROXYANDROSTER/BI
E8            1     DIHYDROXYANDROSTERONE/BI
E9            1     DIHYDROXYANIGORUF/BI
E10           1     DIHYDROXYANIGORUFONE/BI
E11           1     DIHYDROXYANILIN/BI
E12          13     DIHYDROXYANILINE/BI

=> e dihydroxyandrostene
E1          207     DIHYDROXYANDROSTAN/BI
E2           16     DIHYDROXYANDROSTANE/BI
E3            0 --> DIHYDROXYANDROSTENE/BI
E4            1     DIHYDROXYANDROSTER/BI
E5            1     DIHYDROXYANDROSTERONE/BI
E6            1     DIHYDROXYANIGORUF/BI
E7            1     DIHYDROXYANIGORUFONE/BI
E8            1     DIHYDROXYANILIN/BI
```

```
E9          13     DIHYDROXYANILINE/BI
E10          1     DIHYDROXYANILINIUM/BI
E11          9     DIHYDROXYANILINO/BI
E12          7     DIHYDROXYANISOLE/BI

=> s dihydroxy and androstene
        305605 DIHYDROXY
           303 ANDROSTENE
L2          37 DIHYDROXY AND ANDROSTENE

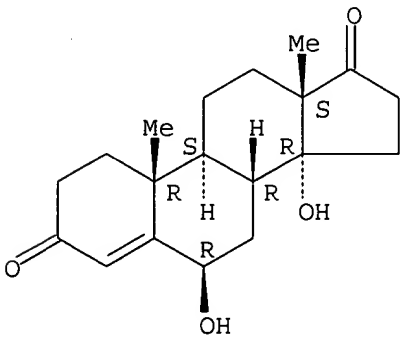
=> scan L2
ENTER FIELD CODE (BI):ti
'L2' IS NOT A VALID NUMERIC VALUE
Only valid numeric terms can be EXPANDed in numeric fields.  Valid
numeric terms are zero and any term with an absolute value between 1
E-78 and 1 E74.  Non-numeric characters are not permitted in the
EXPAND command for numeric fields.  To see a list of numeric and text
fields in the current file, enter "HELP SFIELDS" at an arrow
prompt (=>).

=> 1
1 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d L2 1-5

L2   ANSWER 1 OF 37  REGISTRY  COPYRIGHT 2003 ACS
RN   120051-40-3  REGISTRY
CN   Androst-4-ene-3,17-dione, 6,14-dihydroxy-, (6.beta.)- (9CI)  (CA
     INDEX NAME)
OTHER NAMES:
CN   6.beta.,14.alpha.-Dihydroxy-4-androstene-3,17-dione
FS   STEREOSEARCH
MF   C19 H26 O4
SR   CA
LC   STN Files:   BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL
         (*File contains numerically searchable property data)

Absolute stereochemistry.
```



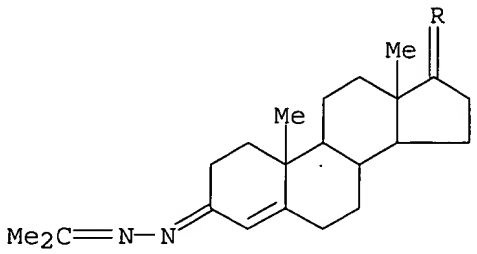

```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

             9 REFERENCES IN FILE CA (1962 TO DATE)
             9 REFERENCES IN FILE CAPLUS (1962 TO DATE)

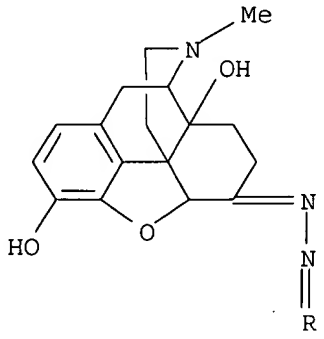
L2   ANSWER 2 OF 37  REGISTRY  COPYRIGHT 2003 ACS
```

RN 103427-11-8 REGISTRY
CN **Androst-4-ene-3,17-dione, 17-[(5.alpha.,6.alpha.)-4,5-epoxy-3,14-dihydroxy-17-methylmorphinan-6-ylidene]hydrazone 3-(1-methylethylidene)hydrazone (9CI)** (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Morphinan, androst-4-ene-3,17-dione deriv.
OTHER NAMES:
CN **Androstene bis(oxymorphone) azine**
MF C39 H51 N5 O3
SR CA
LC STN Files: BIOSIS, CA, CAPLUS

PAGE 1-A



PAGE 2-A

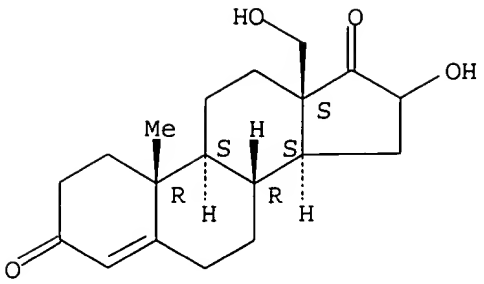


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 3 OF 37 REGISTRY COPYRIGHT 2003 ACS
RN 66790-54-3 REGISTRY
CN **Androst-4-ene-3,17-dione, 16,18-dihydroxy- (9CI)** (CA INDEX NAME)
OTHER NAMES:
CN **16.xi.,18-Dihydroxy-4-androstene-3,17-dione**
FS STEREOSEARCH
MF C19 H26 O4
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

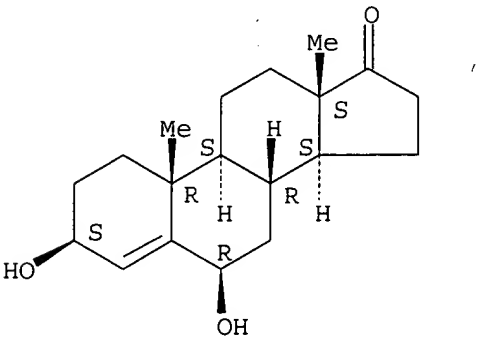


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 4 OF 37 REGISTRY COPYRIGHT 2003 ACS
RN 60268-49-7 REGISTRY
CN **Androst-4-en-17-one, 3,6-dihydroxy-, (3.beta.,6.beta.)- (9CI)** (CA INDEX NAME)
OTHER NAMES:
CN **4-Androstene-3.beta.,6.beta.-diol-17-one**
FS STEREOSEARCH
MF C19 H28 O3
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).



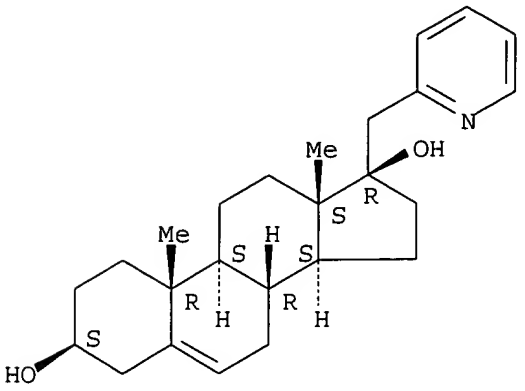
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1962 TO DATE)
5 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 5 OF 37 REGISTRY COPYRIGHT 2003 ACS
RN 59810-26-3 REGISTRY
CN Androst-5-ene-3,17-diol, 17-(2-pyridinylmethyl)-, (3.beta.,17.beta.)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Androst-5-ene-3.beta.,17.beta.-diol, 17-(2-pyridylmethyl)- (6CI)
OTHER NAMES:
CN **3.beta.,17.beta.-Dihydroxy-17.alpha.-picolyl-5-androstene**
FS STEREOSEARCH
MF C25 H35 N O2
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT

(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

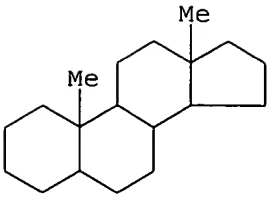
7 REFERENCES IN FILE CA (1962 TO DATE)
7 REFERENCES IN FILE CAPLUS (1962 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d L2 6-10

L2 ANSWER 6 OF 37 REGISTRY COPYRIGHT 2003 ACS
RN 55355-36-7 REGISTRY
CN **Androstenone, dihydroxy(sulfooxy)- (9CI)** (CA INDEX NAME)
OTHER NAMES:
CN **Androstenetriolone monosulfate**
MF C19 H28 O7 S
CI IDS
LC STN Files: CA, CAPLUS

CM 1

CRN 55355-35-6
CMF C19 H30 O7 S
CCI IDS



D1—OSO_3H

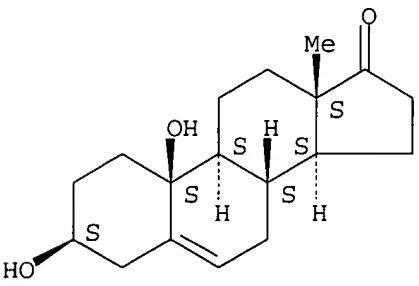
2 (D1—OH)

D2═O

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 7 OF 37 REGISTRY COPYRIGHT 2003 ACS
RN 52906-07-7 REGISTRY
CN **Estr-5-en-17-one, 3,10-dihydroxy-, (3.beta.)- (9CI)** (CA INDEX NAME)
OTHER NAMES:
CN **3.beta.,19-Dihydroxy-5-androstene-17-one**
FS STEREOSEARCH
MF C18 H26 O3
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER

Absolute stereochemistry.



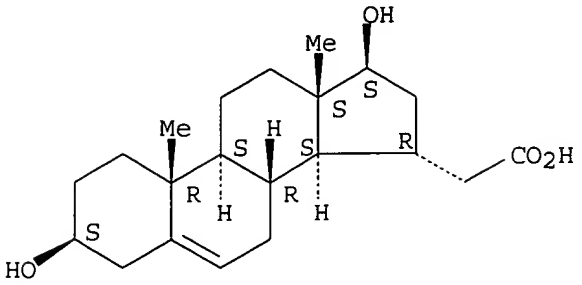
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1962 TO DATE)
4 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 8 OF 37 REGISTRY COPYRIGHT 2003 ACS
RN 52718-41-9 REGISTRY
CN **Androst-5-ene-15-acetic acid, 3,17-dihydroxy-, (3.beta.,15.alpha.,17.beta.)- (9CI)** (CA INDEX NAME)
OTHER NAMES:
CN **15.alpha.-Carboxymethyl-5-androstene-3.beta.,17.beta.-diol**
FS STEREOSEARCH
MF C21 H32 O4
LC STN Files: BEILSTEIN*, CA, CAPLUS, TOXCENTER

(*File contains numerically searchable property data)

Absolute stereochemistry.

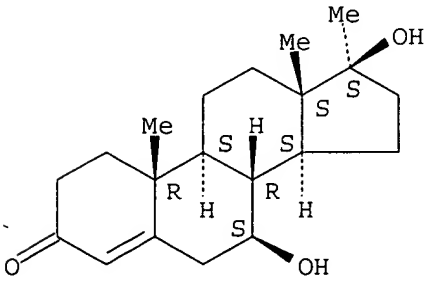


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 9 OF 37 REGISTRY COPYRIGHT 2003 ACS
RN 52718-21-5 REGISTRY
CN **Androst-4-en-3-one, 7,17-dihydroxy-17-methyl-, (7.beta.,17.beta.)-(9CI)** (CA INDEX NAME)
OTHER NAMES:
CN **7.beta.,17.beta.-Hydroxy-17.alpha.-methyl-4-androstene-3-one**
FS STEREOSEARCH
MF C20 H30 O3
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)

Absolute stereochemistry.

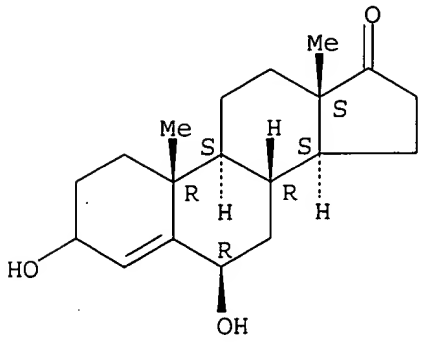


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 10 OF 37 REGISTRY COPYRIGHT 2003 ACS
RN 35174-68-6 REGISTRY
CN **Androst-4-en-17-one, 3,6-dihydroxy-, (6.beta.)- (9CI)** (CA INDEX NAME)
OTHER NAMES:
CN **3.xi.,6.beta.-Dihydroxy-4-androstene-17-one**
FS STEREOSEARCH
MF C19 H28 O3
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

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=> s L2 and 3,17-dihydroxy
         20898 3,17
        305605 DIHYDROXY
          2358 3,17-DIHYDROXY
                 (3,17(W)DIHYDROXY)
L3            8 L2 AND 3,17-DIHYDROXY

=> d L3 1-8

L3   ANSWER 1 OF 8  REGISTRY  COPYRIGHT 2003 ACS
RN   52718-41-9  REGISTRY
CN   Androst-5-ene-15-acetic acid, 3,17-dihydroxy-,
     (3.beta.,15.alpha.,17.beta.)- (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   15.alpha.-Carboxymethyl-5-androstene-3.beta.,17.beta.-diol
FS   STEREOSEARCH
MF   C21 H32 O4
LC   STN Files:   BEILSTEIN*, CA, CAPLUS, TOXCENTER
         (*File contains numerically searchable property data)
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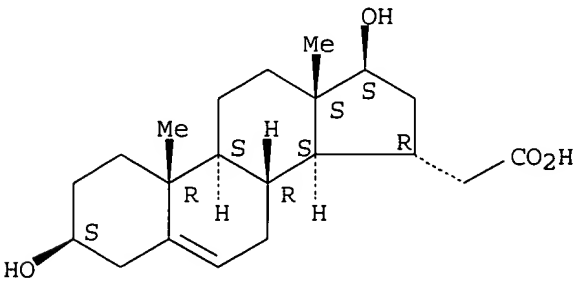
Absolute stereochemistry.

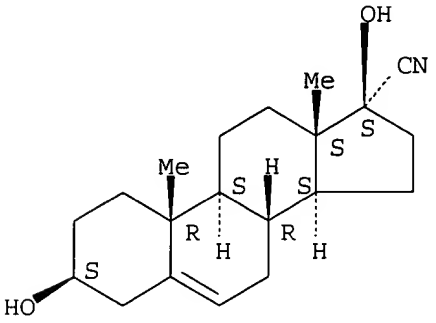


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 2 OF 8 REGISTRY COPYRIGHT 2003 ACS
RN 35060-03-8 REGISTRY
CN **Androst-5-ene-17-carbonitrile, 3,17-dihydroxy-, (3.beta.,17.beta.)-(9CI)** (CA INDEX NAME)
OTHER NAMES:
CN **17.alpha.-Cyano-5-androstene-3.beta.,17.beta.-diol**
FS STEREOSEARCH
MF C20 H29 N O2
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

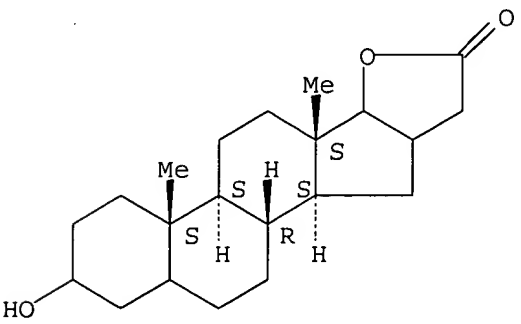
7 REFERENCES IN FILE CA (1962 TO DATE)
7 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 3 OF 8 REGISTRY COPYRIGHT 2003 ACS
RN 34802-88-5 REGISTRY
CN **Androstene-16-acetic acid, 3,17-dihydroxy-, .gamma.-lactone (8CI)** (CA INDEX NAME)
FS STEREOSEARCH
MF C21 H30 O3
CI IDS

CM 1

CRN 34653-16-2
CMF C21 H32 O3

Absolute stereochemistry.

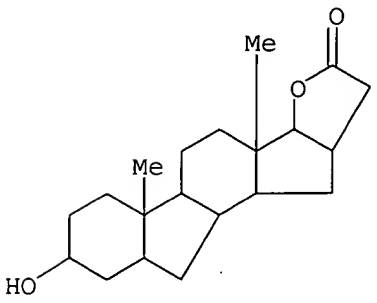


L3 ANSWER 4 OF 8 REGISTRY COPYRIGHT 2003 ACS

RN 34639-02-6 REGISTRY
CN **B-Norandrostene-16-acetic acid, 3,17-dihydroxy-, .gamma.-lactone (8CI)** (CA INDEX NAME)
MF C20 H28 O3
CI IDS

CM 1

CRN 47265-57-6
CMF C20 H30 O3

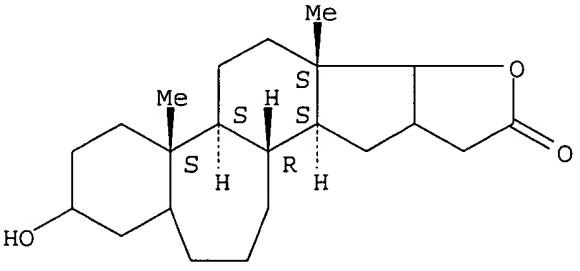


L3 ANSWER 5 OF 8 REGISTRY COPYRIGHT 2003 ACS
RN 32734-74-0 REGISTRY
CN **B-Homoandrostene-16-acetic acid, 3,17-dihydroxy-, .gamma.-lactone (9CI)** (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN **Benzo[3',4']cyclohept[1',2':4,5]indeno[1,2-b]furan, B-homoandrostene-16-acetic acid deriv.**
FS STEREOSEARCH
MF C22 H32 O3
CI IDS

CM 1

CRN 47418-85-9
CMF C22 H34 O3

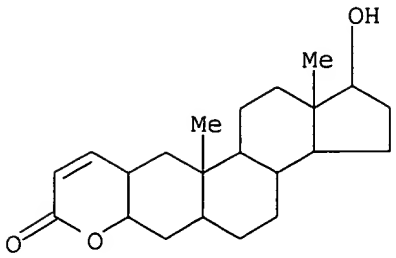
Absolute stereochemistry.



L3 ANSWER 6 OF 8 REGISTRY COPYRIGHT 2003 ACS
RN 31855-01-3 REGISTRY
CN **Androstene-2-acrylic acid, 3,17-dihydroxy-, .delta.-lactone (8CI)** (CA INDEX NAME)
MF C22 H30 O3
CI IDS

CM 1

CRN 47418-68-8
CMF C22 H32 O3

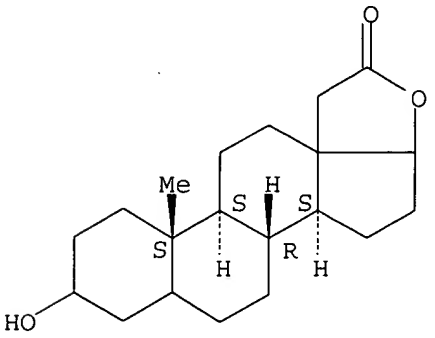


L3 ANSWER 7 OF 8 REGISTRY COPYRIGHT 2003 ACS
RN 31830-96-3 REGISTRY
CN **Androstene-18-carboxylic acid, 3,17-dihydroxy-, .gamma.-lactone (8CI)** (CA INDEX NAME)
FS STEREOSEARCH
MF C20 H28 O3
CI IDS

CM 1

CRN 31767-74-5
CMF C20 H30 O3

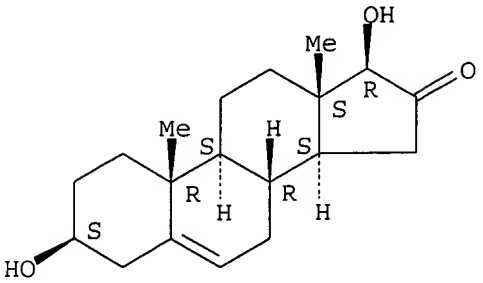
Absolute stereochemistry.



L3 ANSWER 8 OF 8 REGISTRY COPYRIGHT 2003 ACS
RN 1159-66-6 REGISTRY
CN **Androst-5-en-16-one, 3,17-dihydroxy-, (3.beta.,17.beta.)- (9CI)** (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN **Androst-5-en-16-one, 3.beta.,17.beta.-dihydroxy- (7CI, 8CI)**
OTHER NAMES:
CN **16-Oxoandrostenediol**
CN **3.beta.,17.beta.-Dihydroxyandrost-5-en-16-one**
CN 5-Androsten-3.beta.,17.beta.-diol-16-one
CN Androst-5-ene-3.beta.,17.beta.-diol-16-one
FS STEREOSEARCH
MF C19 H28 O3
CI COM
LC STN Files: ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CSCHEM, MEDLINE, TOXCENTER

(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

113 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
113 REFERENCES IN FILE CAPLUS (1962 TO DATE)
17 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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=> s 3.beta.,17.beta.-dihydroxyandrost-5-ene
          4014 3.BETA.,17.BETA.
           203 DIHYDROXYANDROST
       7849370 5
       3919572 ENE
         19066 ENES
       3919572 ENE
                 (ENE OR ENES)
L4           2 3.BETA.,17.BETA.-DIHYDROXYANDROST-5-ENE
                 (3.BETA.,17.BETA.(W)DIHYDROXYANDROST(W)5(W)ENE)

=> d L4 1-2

L4   ANSWER 1 OF 2  REGISTRY  COPYRIGHT 2003 ACS
RN   2099-26-5  REGISTRY
CN   Androst-5-ene-3,17-diol, diacetate, (3.beta.,17.beta.)- (9CI)  (CA INDEX
     NAME)
OTHER CA INDEX NAMES:
CN   Androst-5-ene-3.beta.,17.beta.-diol, diacetate (6CI, 7CI, 8CI)
OTHER NAMES:
CN   3.beta.,17.beta.-Diacetoxyandrost-5-ene
CN   3.beta.,17.beta.-Dihydroxyandrost-5-ene diacetate
CN   Androst-5-ene-3.beta.,17.beta.-diyl diacetate
CN   Androstenediol 3,17-diacetate
FS   STEREOSEARCH
DR   25331-40-2
MF   C23 H34 O4
LC   STN Files:   BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
       CHEMINFORMRX, CHEMLIST, CSCHEM, HODOC*, IFICDB, IFIPAT, IFIUDB, MRCK*,
       SPECINFO, TOXCENTER, USPATFULL
         (*File contains numerically searchable property data)
     Other Sources:   EINECS**
         (**Enter CHEMLIST File for up-to-date regulatory information)
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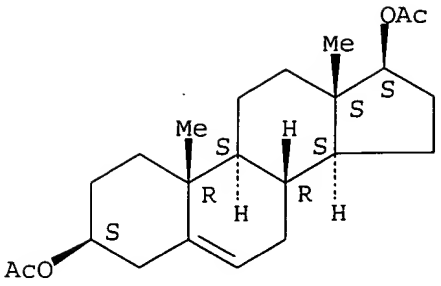
Absolute stereochemistry.

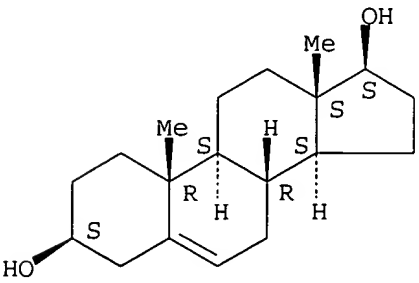


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

85 REFERENCES IN FILE CA (1962 TO DATE)
85 REFERENCES IN FILE CAPLUS (1962 TO DATE)
19 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L4 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2003 ACS
RN 521-17-5 REGISTRY
CN Androst-5-ene-3,17-diol, (3.beta.,17.beta.)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Androst-5-ene-3.beta.,17.beta.-diol (7CI, 8CI)
OTHER NAMES:
CN .DELTA.5-Androstene-3.beta.,17.beta.-diol
CN .DELTA.5-Androstenediol
CN 3.beta.,17.beta.-Androst-5-enediol
CN **3.beta.,17.beta.-Dihydroxyandrost-5-ene**
CN Androst-5-enediol
CN Androstenediol
CN Hermaphrodiol
AR 28652-91-7
FS STEREOSEARCH
MF C19 H30 O2
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, IPA, MEDLINE, MRCK*, NAPRALERT, NIOSHTIC, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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            1122 REFERENCES IN FILE CA (1962 TO DATE)
              26 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            1122 REFERENCES IN FILE CAPLUS (1962 TO DATE)
               2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)


=> s 53-43-0/rn
L5            1 53-43-0/RN

=> s 521-17-5/rn
L6            1 521-17-5/RN

=> s 63-05-8/rn
L7            1 63-05-8/RN

=> s 145-13-1/rn
L8            1 145-13-1/RN

=> s 387-79-1/rn
L9            1 387-79-1/RN

=> s 304655-83-2/rn
L10           1 304655-83-2/RN

=> s 28901-70-4/rn
L11           1 28901-70-4/RN

=> d l5

L5   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2003 ACS
RN   53-43-0  REGISTRY
CN   Androst-5-en-17-one, 3-hydroxy-, (3.beta.)- (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Androst-5-en-17-one, 3.beta.-hydroxy- (8CI)
OTHER NAMES:
CN   .DELTA.5-Androsten-3.beta.-ol-17-one
CN   17-Chetovis
CN   17-Hormoforin
CN   3.beta.-Hydroxy-.DELTA.5-androsten-17-one
CN   3.beta.-Hydroxyandrost-5-en-17-one
CN   3.beta.-Hydroxyandrost-5-ene-17-one
CN   5,6-Dehydroisoandrosterone
CN   5,6-Didehydroisoandrosterone
CN   5-Androsten-3.beta.-ol-17-one
CN   5-Dehydroepiandrosterone
CN   Androst-5-ene-3.beta.-ol-17-one
CN   Androstenolone
CN   Dehydro-epi-androsterone
CN   Dehydroepiandrosterone
CN   Dehydroisoandrosterone
CN   DHA
CN   DHEA
CN   Diandron
CN   Diandrone
CN   GL 701
CN   IM 28
CN   Prasterone
CN   Psicosterone
CN   trans-Dehydroandrosterone
FS   STEREOSEARCH
DR   9013-35-8, 105597-37-3, 108673-53-6
MF   C19 H28 O2
CI   COM
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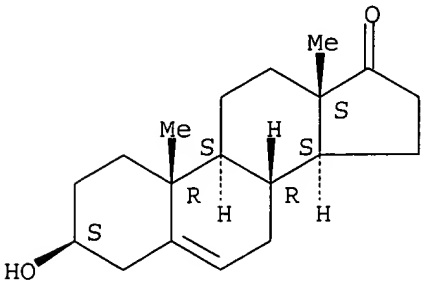
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*,
      BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS,
      CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM,
      CSNB, DDFU, DRUGNL, DRUGU, DRUGUPDATES, EMBASE, IFICDB, IFIPAT, IFIUDB,
      IPA, MEDLINE, MRCK*, NAPRALERT, NIOSHTIC, PHAR, PROMT, RTECS*, SPECINFO,
      SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
        (*File contains numerically searchable property data)
    Other Sources: DSL**, EINECS**, WHO
        (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



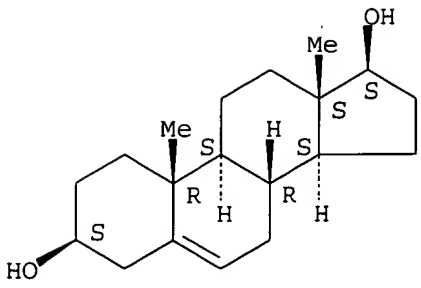
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

          6237 REFERENCES IN FILE CA (1962 TO DATE)
           140 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
          6245 REFERENCES IN FILE CAPLUS (1962 TO DATE)
            93 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d l6

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN **521-17-5** REGISTRY
CN Androst-5-ene-3,17-diol, (3.beta.,17.beta.)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Androst-5-ene-3.beta.,17.beta.-diol (7CI, 8CI)
OTHER NAMES:
CN .DELTA.5-Androstene-3.beta.,17.beta.-diol
CN .DELTA.5-Androstenediol
CN 3.beta.,17.beta.-Androst-5-enediol
CN 3.beta.,17.beta.-Dihydroxyandrost-5-ene
CN Androst-5-enediol
CN Androstenediol
CN Hermaphrodiol
AR 28652-91-7
FS STEREOSEARCH
MF C19 H30 O2
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
      BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS,
      CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, IPA, MEDLINE, MRCK*, NAPRALERT,
      NIOSHTIC, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPATFULL
        (*File contains numerically searchable property data)
    Other Sources: EINECS**
        (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



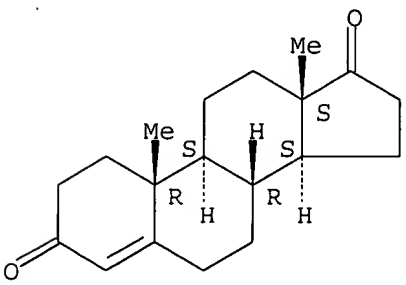
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1122 REFERENCES IN FILE CA (1962 TO DATE)
26 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1122 REFERENCES IN FILE CAPLUS (1962 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d l7

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN **63-05-8** REGISTRY
CN Androst-4-ene-3,17-dione (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN .DELTA.4-Androstene-3,17-dione
CN 17-Ketotestosterone
CN 3,17-Dioxoandrost-4-ene
CN Androstenedione
CN Fecundin
CN SKF 2170
FS STEREOSEARCH
DR 104534-78-3, 40786-82-1, 117598-81-9
MF C19 H26 O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



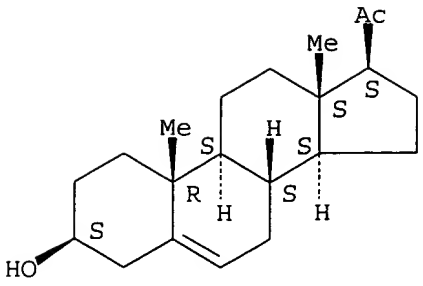
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7891 REFERENCES IN FILE CA (1962 TO DATE)
68 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
7899 REFERENCES IN FILE CAPLUS (1962 TO DATE)
20 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d 18

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN **145-13-1** REGISTRY
CN Pregn-5-en-20-one, 3-hydroxy-, (3.beta.)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pregn-5-en-20-one, 3.beta.-hydroxy- (8CI)
OTHER NAMES:
CN (3.beta.)-3-Hydroxypregn-5-en-20-one
CN .DELTA.5-Pregnen-3.beta.-ol-20-one
CN .DELTA.5-Pregnene-3.beta.-ol-20-one
CN .DELTA.5-Pregnenolone
CN 17.beta.-[1-Ketoethyl]-.DELTA.5-androsten-3.beta.-ol
CN 3.beta.-Hydroxy-.DELTA.5-pregnen-20-one
CN 3.beta.-Hydroxy-5-pregnene-20-one
CN 3.beta.-Hydroxypregn-5-en-20-one
CN 5-Pregnenolone
CN Arthenolone
CN Bina-Skin
CN Enelone
CN Natolone
CN Pregn-5-en-3.beta.-ol-20-one
CN Pregn-5-ene-3.beta.-ol-20-one
CN Pregnenolone
CN Pregnenolone (progesterone precursor)
CN Pregnetan
CN Pregneton
CN Pregnolon
CN Prenolon
CN Regnosone
CN Skinostelon
FS STEREOSEARCH
DR 2481-60-9, 72560-38-4, 116907-59-6
MF C21 H32 O2
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



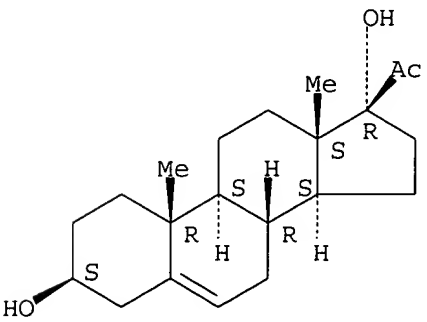
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4069 REFERENCES IN FILE CA (1962 TO DATE)
77 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4072 REFERENCES IN FILE CAPLUS (1962 TO DATE)
38 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d l9

L9 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN **387-79-1** REGISTRY
CN Pregn-5-en-20-one, 3,17-dihydroxy-, (3.beta.)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pregn-5-en-20-one, 3.beta.,17-dihydroxy- (8CI)
OTHER NAMES:
CN 17-Hydroxy-.DELTA.5-pregnenolone
CN 17-Hydroxypregnenolone
CN 17.alpha.-Hydroxypregnenolone
CN 3.beta.,17-Dihydroxy-5-pregnen-20-one
CN 3.beta.,17.alpha.-Dihydroxypregn-5-en-20-one
CN 5-Pregnen-3.beta.,17.alpha.-diol-20-one
FS STEREOSEARCH
DR 6697-78-5, 570-57-0, 1499-60-1, 1920-70-3, 85179-30-2
MF C21 H32 O3
CI COM
LC STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, MEDLINE, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



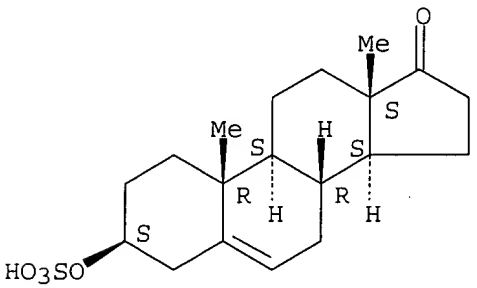
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

961 REFERENCES IN FILE CA (1962 TO DATE)
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
961 REFERENCES IN FILE CAPLUS (1962 TO DATE)
37 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d l10

L10 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN **304655-83-2** REGISTRY
CN Androst-5-en-17-one, 3-(sulfooxy)-, sodium salt, monohydrate, (3.beta.)-
(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C19 H28 O5 S . H2 O . Na
SR CAS Registry Services
LC STN Files: CHEMCATS
CRN (651-48-9)

Absolute stereochemistry.



● Na

● H_2O

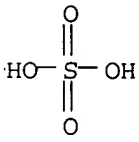
=> d L11

L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN **28901-70-4** REGISTRY
CN Pregn-5-en-20-one, 3,17-dihydroxy-, mono(hydrogen sulfate), (3.beta.)-
(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pregn-5-en-20-one, 3.beta.,17-dihydroxy-, mono(hydrogen sulfate) (8CI)
OTHER NAMES:
CN 17-Hydroxypregnenolone monosulfate
CN 17.alpha.-Hydroxypregnenolone monosulfate
CN 17.alpha.-Hydroxypregnenolone sulfate
FS STEREOSEARCH
MF C21 H32 O6 S
CI IDS, COM

LC STN Files: CA, CAPLUS, MEDLINE, TOXCENTER, USPAT2, USPATFULL

CM 1

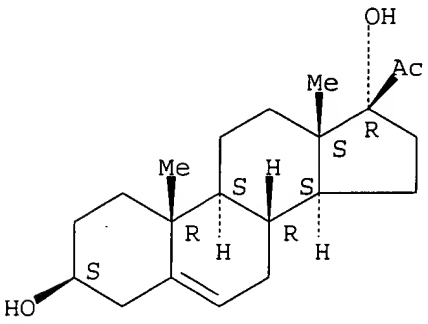
CRN 7664-93-9
CMF H2 O4 S



CM 2

CRN 387-79-1
CMF C21 H32 O3

Absolute stereochemistry.



33 REFERENCES IN FILE CA (1962 TO DATE)
33 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	121.34	121.95

FILE 'CAPLUS' ENTERED AT 16:53:16 ON 07 JAN 2003

FILE COVERS 1907 - 7 Jan 2003 VOL 138 ISS 2
FILE LAST UPDATED: 6 Jan 2003 (20030106/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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=> s L5 or L6 or L7 or L8 or L9 or L10 or L11
          6330 L5
          1131 L6
          7999 L7
          4148 L8
           981 L9
             0 L10
            33 L11
L12       14949 L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11

=> s l12 and skin
        182465 SKIN
          8312 SKINS
        187366 SKIN
                 (SKIN OR SKINS)
L13       375 L12 AND SKIN

=> s L13 and bleach
         12339 BLEACH
          2125 BLEACHES
         13574 BLEACH
                 (BLEACH OR BLEACHES)
L14         0 L13 AND BLEACH

=> s L13 and depigment?
           819 DEPIGMENT?
L15          4 L13 AND DEPIGMENT?

=> d L15 1-4 ibib

L15  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2003 ACS
ACCESSION NUMBER:         2002:465779  CAPLUS
DOCUMENT NUMBER:          137:37410
TITLE:                    Cosmetic composition containing 7-hydroxy DHEA and/or
                          7-keto DHEA and at least a depigmentation
                          agent
INVENTOR(S):              Courchay, Guy
PATENT ASSIGNEE(S):       L'oreal, Fr.
SOURCE:                   PCT Int. Appl., 14 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 French
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.        KIND  DATE           APPLICATION NO.   DATE
     ---------------   ----  --------       ---------------   --------
     WO 2002047647      A1   20020620       WO 2001-FR3633    20011120
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,
             UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

FR 2818138	A1	20020621	FR 2000-16443		20001215
AU 2002021995	A5	20020624	AU 2002-21995		20011120
PRIORITY APPLN. INFO.:			FR 2000-16443	A	20001215
			WO 2001-FR3633	W	20011120

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:71826 CAPLUS
DOCUMENT NUMBER: 136:123403
TITLE: Cosmetic composition containing dehydroepiandrosterone and isoflavonoid
INVENTOR(S): Breton, Lionel; Liviero, Christel
PATENT ASSIGNEE(S): L'oreal, Fr.
SOURCE: PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002005764	A1	20020124	WO 2001-FR1787	20010608

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

FR 2811562	A1	20020118	FR 2000-9220		20000713
PRIORITY APPLN. INFO.:			FR 2000-9220	A	20000713

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:279402 CAPLUS
DOCUMENT NUMBER: 134:300637
TITLE: Use of DHEA or its precursors and metabolites as **skin depigmentation** agents
INVENTOR(S): De, Lacharriere Oliver; Nouveau, Stephanie
PATENT ASSIGNEE(S): L'oreal, Fr.
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1092423	A2	20010418	EP 2000-118605	20000828
EP 1092423	A3	20010829		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

FR 2799645	A1	20010420	FR 1999-12773	19991013
JP 2001131072	A2	20010515	JP 2000-303977	20001003

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     WO 2001026618     A2   20010419       WO 2000-FR2879   20001013
     WO 2001026618     A3   20020510
         W:  AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
             CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
             IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
             MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
             SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
             CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     FR 2803514        A1   20010713       FR 2000-13184    20001013
     EP 1221933        A2   20020717       EP 2000-968050   20001013
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL
PRIORITY APPLN. INFO.:                  FR 1999-12773    A  19991013
                                        WO 2000-FR2879   W  20001013

L15  ANSWER 4 OF 4  CAPLUS  COPYRIGHT 2003 ACS
ACCESSION NUMBER:         2000:520  CAPLUS
DOCUMENT NUMBER:          132:26655
TITLE:                    Cosmetic or dermatological water-in-oil emulsions
                          containing cyclomethicones and phospholipids
INVENTOR(S):              Meybeck, Alain
PATENT ASSIGNEE(S):       LVMH Recherche, Fr.
SOURCE:                   Fr. Demande, 12 pp.
                          CODEN: FRXXBL
DOCUMENT TYPE:            Patent
LANGUAGE:                 French
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
     FR 2777181         A1   19991015       FR 1998-4543     19980410
PRIORITY APPLN. INFO.:                   FR 1998-4543        19980410
OTHER SOURCE(S):          MARPAT 132:26655


=> d l15 1-4 kwic

L15  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2003 ACS
TI   Cosmetic composition containing 7-hydroxy DHEA and/or 7-keto DHEA and at
     least a depigmentation agent
AB   . . . medium: (a) at least a dehydroepiandrosterone (DHEA) deriv.
     selected among 7-hydroxy DHEA and 7-keto DHEA, and (b) at least a
     depigmentation agent. The invention also concerns cosmetic use of
     said compn. for preventing or treating actinic skin ageing
     symptoms. A depigmentation lotion contained kojic acid 1.00,
     7.alpha.-DHEA, 0.10, capryloyl salicylic acid 2.00, ethanol 48.00, water
     9.3, polyethylene glycol 39.50, and preservatives. . .
ST   cosmetic dehydroepiandrosterone deriv depigmentation agent
IT   Cosmetics
        (antiaging; cosmetic compn. comprising hydroxy-dehydroepiandrosterone
        derivs. and depigmentation agent)
IT   Skin, disease
        (depigmentation; cosmetic compn. comprising
        hydroxy-dehydroepiandrosterone derivs. and depigmentation
        agent)
IT   Licorice (Glycyrrhiza)
        (ext.; cosmetic compn. comprising hydroxy-dehydroepiandrosterone
        derivs. and depigmentation agent)
IT   Cosmetics
```

(gels; cosmetic compn. comprising hydroxy-dehydroepiandrosterone derivs. and **depigmentation** agent)

IT Cosmetics
(lotions; cosmetic compn. comprising hydroxy-dehydroepiandrosterone derivs. and **depigmentation** agent)

IT 50-81-7D, Ascorbic acid, esters and salts 50-81-7D, L-Ascorbic acid, glucose derivs. 50-99-7D, D-Glucose, ascorbic acid derivs. 53-00-9, 7.alpha.-HydroxyDehydroepiandrosterone **53-43-0**, Dhea 123-31-9, Hydroquinone, biological studies 476-66-4, Ellagic acid 497-76-7, Arbutin 497-76-7D, Arbutin, derivs. 501-30-4, Kojic acid 566-19-8 2487-48-1, 7.beta.-Hydroxy-Dehydroepiandrosterone 7159-95-7 7522-54-5, 7-Hydroxy-dehydroepiandrosterone 19771-63-2, Procysteine 19771-63-2D, Procysteine, esters and salts 27598-85-2D, Aminophenol, derivs. 220717-78-2
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic compn. comprising hydroxy-dehydroepiandrosterone derivs. and **depigmentation** agent)

L15 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS
AB . . . isoflavonoid. The invention also concerns the cosmetic and dermatol. uses of said compn., in particular for preventing or treating actinic **skin** ageing symptoms. A **depigmentation** lotion contained 3-.beta.-17-oxoandrost-5-en-3-yle glycinate 10, propylene glycol 15, ethanol 65, soya ext. (contg. 0.2% isoflavones and 30% butylene glycol) 5,. . .

IT **Skin**, disease
(**depigmentation**; cosmetic compn. contg. dehydroepiandrosterone and isoflavonoid)

IT **53-43-0**, Dehydroepiandrosterone **53-43-0D**, Dehydroepiandrosterone, esters 126-18-1, Smilagenin 126-19-2 446-95-7, Genisteine 467-55-0, Hecogenin 480-23-9, Orobol 480-86-4, Retusine 485-72-3, Formononetin 486-66-8, Daidzein 512-04-9, Diosgenin 529-59-9, Genistin 529-60-2, Santal 548-77-6, Tectorigenin 550-79-8, Afrormosin 552-59-0, Prunetin 552-66-9, Daidzin 651-48-9, Dehydroepiandrosterone sulfate 853-23-6 2284-31-3, Pratensein 2345-17-7, Irisolidone 4569-98-6, Isoprunetin 7642-68-4, Dehydroepiandrosterone valerate 7741-28-8, Cuneatin 14504-94-0, Androst-5-ene-3,17-diol 17218-62-1, Androst-4-ene-3,17-diol 23983-43-9, Dehydroepiandrosterone enanthate 24211-36-7, Jamaicin 32884-36-9, Cajanin 40957-83-3, Glycitein 76265-28-6, Junipegenin a 188750-82-5, Dehydroepiandrosterone salicylate 260782-83-0
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic compn. contg. dehydroepiandrosterone and isoflavonoid)

L15 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS
TI Use of DHEA or its precursors and metabolites as **skin depigmentation** agents
AB DHEA (dehydroepiandrosterone) or its precursors and metabolites as **skin depigmentation** agents. A cosmetic compn. contained DHEA 2, propylene glycol isostearate 13, polyethylene glycol 5, propylene glycol 3, pentylene glycol 3,. . . alc. 1, gelling agents 0.5, C12-15 alkyl benzoate 4, ethanol 3, sodium hydroxide 0.12, preservatives 0.7, and water q.s. 100%. **Depigmentation** activity of the compn. was tested in 55-70 yr volunteers.
ST DHEA metabolite **skin depigmentation** cosmetic
IT **Skin**, disease
(**depigmentation**; use of DHEA or its precursors and metabolites as **skin depigmentation** agents)
IT Carbohydrates, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(derivs.; use of DHEA or its precursors and metabolites as **skin depigmentation** agents)

IT Licorice (Glycyrrhiza)
Mulberry
Scutellaria
(ext.; use of DHEA or its precursors and metabolites as **skin depigmentation** agents)
IT Carboxylic acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(hydroxy; use of DHEA or its precursors and metabolites as **skin depigmentation** agents)
IT Carboxylic acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(oxo; use of DHEA or its precursors and metabolites as **skin depigmentation** agents)
IT Cosmetics
(**skin**-lightening; use of DHEA or its precursors and metabolites as **skin depigmentation** agents)
IT Cosmetics
Sunscreens
(use of DHEA or its precursors and metabolites as **skin depigmentation** agents)
IT Polysiloxanes, biological studies
Retinoids
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(use of DHEA or its precursors and metabolites as **skin depigmentation** agents)
IT 9028-35-7, HMG-CoA reductase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibitors; use of DHEA or its precursors and metabolites as **skin depigmentation** agents)
IT 50-21-5, Lactic acid, biological studies 50-81-7, Ascorbic acid, biological studies **53-43-0**, DHEA 57-88-5, Cholesterol, biological studies **63-05-8**, 4-Androstene-3-17 dione 68-26-8, Retinol 68-26-8D, Retinol, esters 69-72-7, Salicylic acid, biological studies 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid, biological studies 87-69-4, Tartaric acid, biological studies 90-64-2, Mandelic acid 120-46-7D, Dibenzoylmethane, derivs. 123-31-9, Hydroquinone, biological studies 131-57-7, 2-Hydroxy 4 methoxybenzophenone **145-13-1**, Pregnenolone **387-79-1**, 17-Hydroxypregnenolone 476-66-4, Ellagic acid 497-76-7D, Arbutine, derivs. 501-30-4, Kojic acid **521-17-5**, 5 Androstenediol 651-48-9, Dhea sulfate 4065-45-6, 2 Hydroxy 4 methoxybenzophenone 5 sulfonic acid 6197-30-4, Octocrylene 6915-15-7, Malic acid 7159-95-7 10380-41-3D, 2-Cyano-3,3-diphenylacrylic acid, alkyl derivs. 15087-24-8, Benzylidene camphor 16397-78-7, 2-Ethyl hexyl cinnamate 19771-63-2, Procysteine 19771-63-2D, Procysteine, esters 25654-87-9 27503-81-7, 2-Phenylbenzimidazole 5 sulfonic acid 27598-85-2D, Aminophenol, derivs. **28901-70-4**, 17.alpha.-Hydroxypregnenolone sulfate 36861-47-9 63250-25-9, 4-(Isopropyl)dibenzoylmethane 70356-09-1 88122-99-0 155633-54-8 189746-43-8 220717-78-2 334658-18-3
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(use of DHEA or its precursors and metabolites as **skin depigmentation** agents)

L15 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS
IT **Skin**, disease
(**depigmentation**; cosmetic or dermatol. water-in-oil emulsions contg. cyclomethicones and phospholipids)
IT Cosmetics
(**skin**-lightening; cosmetic or dermatol. water-in-oil

emulsions contg. cyclomethicones and phospholipids)
IT 50-70-4, D-Glucitol, biological studies **53-43-0** 56-81-5, 1,2,3-Propanetriol, biological studies 57-13-6, Urea, biological studies 57-55-6, 1,2-Propanediol, biological studies 58-08-2, Caffein, biological studies 58-55-9, Theophyllin, biological studies 64-17-5, Ethanol, biological studies 69-72-7, Salicylic acid, biological studies 71-23-8, Propanol, biological studies 73-31-4 81-13-0, Panthenol 110-63-4, 1,4-Butanediol, biological studies 111-01-3, Perhydrosqualene 123-31-9, Hydroquinone, biological studies 123-31-9D, Hydroquinone, derivs. 302-79-4, Retinoic acid 464-92-6D, Asiatic acid, derivs. 477-32-7, Visnadine 501-30-4, Kojic acid 1449-05-4, .beta.-Glycyrrhetinic acid 5289-74-7, 20-Hydroxyecdysone 7069-42-3, Vitamin a propionate 18449-41-7D, Madecassic acid, derivs. 28109-92-4, Methylxanthine 28874-51-3 53956-04-0, Ammonium glycyrrhizinate 55306-04-2, Sericoside 60208-12-0, Dimethylxanthine
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(cosmetic or dermatol. water-in-oil emulsions contg. cyclomethicones and phospholipids)

=> d his

(FILE 'HOME' ENTERED AT 16:05:47 ON 07 JAN 2003)

FILE 'REGISTRY' ENTERED AT 16:05:55 ON 07 JAN 2003
E PREGNENOLONE
E 5-ANDROSTENEDIOL

FILE 'REGISTRY' ENTERED AT 16:34:00 ON 07 JAN 2003
E HYDROXYPREGNENOLONE
L1 33 S E3
E DIHYDROXYANDROST
E DIHYDROXYANDROSTENE
L2 37 S DIHYDROXY AND ANDROSTENE
L3 8 S L2 AND 3,17-DIHYDROXY
L4 2 S 3.BETA.,17.BETA.-DIHYDROXYANDROST-5-ENE
L5 1 S 53-43-0/RN
L6 1 S 521-17-5/RN
L7 1 S 63-05-8/RN
L8 1 S 145-13-1/RN
L9 1 S 387-79-1/RN
L10 1 S 304655-83-2/RN
L11 1 S 28901-70-4/RN

FILE 'CAPLUS' ENTERED AT 16:53:16 ON 07 JAN 2003
L12 14949 S L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11
L13 375 S L12 AND SKIN
L14 0 S L13 AND BLEACH
L15 4 S L13 AND DEPIGMENT?

=> s L12 and melasma
64 MELASMA
3 MELASMAS
65 MELASMA
(MELASMA OR MELASMAS)
L16 1 L12 AND MELASMA

=> d L16 ti

L16 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
TI Pharmaceutical and cosmetic compositions containing oligosaccharide aldonic acids and their topical use

=> d L16 ibib,kwic

L16 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:31287 CAPLUS
DOCUMENT NUMBER: 134:105670
TITLE: Pharmaceutical and cosmetic compositions containing oligosaccharide aldonic acids and their topical use
INVENTOR(S): Yu, Ruey J.; Van Scott, Eugene J.
PATENT ASSIGNEE(S): USA
SOURCE: PCT Int. Appl., 86 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001001932	A2	20010111	WO 2000-US16301	20000628
WO 2001001932	A3	20010517		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6335023	B1	20020101	US 2000-487228	20000119
BR 2000011640	A	20020514	BR 2000-11640	20000628
EP 1227820	A2	20020807	EP 2000-950220	20000628
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
US 2002028227	A1	20020307	US 2001-987023	20011113

PRIORITY APPLN. INFO.: US 1999-141264P P 19990630
US 2000-487228 A 20000119
WO 2000-US16301 W 20000628

OTHER SOURCE(S): MARPAT 134:105670
IT Skin, disease
(**melasma**; pharmaceutical and cosmetic compns. contg. oligosaccharide aldonic acids and their topical use)
IT 50-02-2, Dexamethasone 50-03-3, Hydrocortisone 21-acetate 50-21-5, Lactic acid, biological studies 50-23-7, Hydrocortisone 50-28-2, Estradiol, biological studies 50-48-6, Amitriptyline 50-78-2, Acetylsalicylic acid 50-81-7, Ascorbic acid, biological studies 51-03-6, Piperonyl butoxide 51-21-8, 5-Fluorouracil 51-55-8, Atropine, biological studies **53-43-0**, Dehydroepiandrosterone 53-86-1, Indomethacin 55-56-1, Chlorhexidine 57-13-6, Urea, biological studies 57-63-6, Ethinyl estradiol 58-73-1, Diphenhydramine 58-95-7, Vitamin E acetate 59-33-6, Pyrilamine 59-42-7, Phenylephrine 59-46-1, Procaine 60-54-8, Tetracycline 64-65-3, Bemegride 65-45-2, Salicylamide 67-73-2, Fluocinolone acetonide 67-78-7, Triamcinolone diacetate 68-26-8, Retinol 68-35-9, Sulfadiazine 68-41-7, Cycloserine 68-88-2, Hydroxyzine 68-95-1, N-Acetylproline 69-72-7, Salicylic acid, biological studies 76-22-2, Camphor 76-25-5, Triamcinolone acetonide 79-14-1, Glycolic acid, biological studies 79-81-2, Retinyl palmitate 84-22-0, Tetrahydrozoline 86-21-5, Pheniramine 86-22-6, Brompheniramine 89-83-8, Thymol 90-45-9, Aminacrine 90-64-2, Mandelic acid 90-82-4, Pseudoephedrine 93-14-1, Guaifenesin 93-60-7, Methyl nicotinate 94-24-6, Tetracaine 94-36-0, Benzoyl peroxide,

biological studies 96-88-8, Mepivacaine 103-16-2, Monobenzone 108-46-3, Resorcinol, biological studies 108-95-2, Phenol, biological studies 112-38-9, Undecylenic acid 113-92-8 114-07-8, Erythromycin 116-31-4, Retinal 118-56-9, Homosalate 118-60-5, Octyl salicylate 119-36-8, Methyl salicylate 119-61-9, Benzophenone, biological studies 121-29-9, Pyrethrin 123-31-9, Hydroquinone, biological studies 123-31-9D, Hydroquinone, monoether derivs. 123-99-9, Azelaic acid, biological studies 124-43-6, Carbamide peroxide 126-07-8, Griseofulvin 127-47-9, Retinyl acetate 130-26-7, Clioquinol 131-57-7, Oxybenzone 136-77-6, Hexylresorcinol 137-58-6, Lidocaine 137-66-6, Ascorbyl palmitate 139-12-8, Aluminum acetate 140-65-8, Pramoxine 302-79-4, Retinoic acid 356-12-7, Fluocinonide 382-67-2, Desoximetasone 404-86-4, Capsaicin 443-48-1, Metronidazole 483-63-6, Crotamiton 486-12-4, Triprolidine 499-14-9, Chondrosine 499-15-0, Hyalobiuronic acid 501-30-4, Kojic acid 518-28-5, Podofilox 525-66-6, Propranolol 534-41-8, Cellobionic acid 534-42-9, Maltobionic acid 534-74-7, Isomaltobionic acid 547-64-8, Methyllactate 562-10-7, Doxylamine 569-65-3, Meclizine 584-63-4 586-60-7, Dyclonine 721-50-6, Prilocaine 768-94-5, Amantadine 777-11-7, Haloprogin 1143-38-0, Anthralin 1198-84-1, 4-Hydroxymandelic acid 1319-82-0, Aminocaproic acid 1321-11-5, Aminobenzoic acid 1321-23-9, Chloroxylenol 1327-41-9, Aluminum chlorhydroxide 1400-61-9, Nystatin 1404-04-2, Neomycin 1405-87-4, Bacitracin 1406-18-4, Vitamin e 1490-04-6, Menthol 1491-59-4, Oxymetazoline 1668-19-5, Doxepin 2013-58-3, Meclocycline 2152-44-5, Betamethasone valerate 2398-96-1, Tolnaftate 3380-34-5, Triclosan 3808-00-2 4759-48-2, 13-Cis-Retinoic acid 5438-68-6 5466-77-3, Octyl 4-methoxycinnamate 5534-09-8, Beclomethasone dipropionate 5551-59-7, Cellobiouronic acid 5593-20-4, Betamethasone dipropionate 5611-51-8, Triamcinolone hexacetonide 5965-65-1, Lactobionolactone 7446-70-0, Aluminum chloride, biological studies 7512-17-6, N-Acetylglucosamine 7704-34-9, Sulfur, biological studies 7722-84-1, Hydrogen peroxide, biological studies 8029-68-3, Ichthammol 9012-76-4, Chitosan 10118-90-8, Minocycline 11103-57-4, Vitamin a 12650-69-0, Mupirocin 13431-32-8 13463-41-7, Zinc pyrithione 13609-67-1, Hydrocortisone 17-butyrate 14838-15-4, Phenylpropanolamine 15686-51-8, Clemastine 15687-27-1, Ibuprofen 16110-51-3, Cromolyn 18323-44-9, Clindamycin 18559-94-9, Albuterol 21245-02-3 21645-51-2, Aluminum hydroxide, biological studies 21675-38-7, Melibionic acid 22071-15-4, Ketoprofen 22204-53-1, Naproxen 22916-47-8, Miconazole 23593-75-1, Clotrimazole 25122-46-7, Clobetasol propionate 25655-41-8, Povidone iodine 27220-47-9, Econazole 28088-64-4, Aminosalicylic acid 28631-45-0D, lactone from 29342-05-0, Ciclopirox 30233-46-6 34150-97-5D, lactone from 38304-91-5, Minoxidil 38396-39-3, Bupivacaine 42776-28-3, Maltobionolactone 50612-42-5 52645-53-1, Permethrin 52762-22-8, Cellobionolactone 56093-45-9, Selenium sulfide 56933-14-3 57524-89-7, Hydrocortisone 17-valerate 59277-89-3, Acyclovir 61318-90-9, Sulconazole 64211-45-6, Oxiconazole 64872-76-0, Butoconazole 65277-42-1, Ketoconazole 65472-88-0, Naftifine 65899-73-2, Tioconazole 67915-31-5, Terconazole 77893-25-5 77893-26-6 91161-71-6, Terbinafine 99011-02-6, Imiquimod 106685-40-9, Adapalene 110558-39-9 110574-00-0 112965-21-6, Calcipotriene 118292-40-3, Tazarotene 184241-84-7 207738-18-9 318471-21-5 318471-22-6 318471-23-7 318471-24-8 318471-25-9 318471-26-0 318471-27-1 318471-28-2 318471-29-3 318471-30-6 318471-31-7 318471-32-8 318471-33-9 318471-34-0 318471-35-1 318471-36-2 318471-37-3 318471-38-4 318471-57-7

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(pharmaceutical and cosmetic compns. contg. oligosaccharide aldonic acids and their topical use)

```
=> s canities
L17          9 CANITIES

=> d L17 1 ti

L17  ANSWER 1 OF 9  CAPLUS  COPYRIGHT 2003 ACS
TI   Insect viruses expressing toxin genes from early promoters with increased
     virulence towards insect hostss


=> d L17 1 kwic

L17  ANSWER 1 OF 9  CAPLUS  COPYRIGHT 2003 ACS
IT   Diguetia canities
     Scorpio maurus palmatus
        (neurotoxins of; insect viruses expressing toxin genes from early
        promoters with increased virulence towards insect hostss)
IT   124354-86-5, Neurotoxin IT 2 (Androctonus australis reduced)
     130300-61-7, Neurotoxin IT 2 (Scorpio maurus palmatus reduced)
     130300-64-0, Neurotoxin IT 2 (Leiurus quinquestriatus hebraeus reduced)
     130300-67-3, Neurotoxin IT 2 (Leiurus quinquestriatus quinquestriatus
     reduced)   130300-69-5, Neurotoxin P 35 (Leiurus quinquestriatus hebraeus
     reduced)   133164-84-8, Neurotoxin IT 2 (Buthotus judaicus reduced)
     145894-61-7, Toxin DK 9.2 (Diguetia canities venom
     6.38-kilodalton reduced)   150656-79-4, Protein NPS 326 (Tegenaria
     agrestis venom clone pAdaI7 reduced)   150656-84-1, Protein NPS 331
     (Tegenaria agrestis venom clone pAda1 reduced)   150656-89-6, Protein NPS
     373 (Tegenaria agrestis venom clone pAdaI2 reduced)   153700-13-1, King
     kong peptide   173047-86-4D, .mu.-Agatoxin I, derivs.
     RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological
     study); USES (Uses)
        (gene for, in insect viruses with improved virulence; insect viruses
        expressing toxin genes from early promoters with increased virulence
        towards insect hostss)


=> s L12 and L17
L18          0 L12 AND L17

=> s hair(p)grey
         45732 HAIR
          4057 HAIRS
         47747 HAIR
                 (HAIR OR HAIRS)
          4542 GREY
            17 GREYS
          4555 GREY
                 (GREY OR GREYS)
L19         87 HAIR(P)GREY

=> s hair(p)gray
         45732 HAIR
          4057 HAIRS
         47747 HAIR
                 (HAIR OR HAIRS)
         46449 GRAY
           234 GRAYS
         46647 GRAY
                 (GRAY OR GRAYS)
L20        691 HAIR(P)GRAY

=> s L19 or L20
```

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L21         774 L19 OR L20

=> s L12 and L21
L22           0 L12 AND L21

=> s hair
          45732 HAIR
           4057 HAIRS
L23       47747 HAIR
                (HAIR OR HAIRS)

=> s L12 and L23
L24         120 L12 AND L23

=> s L24 and gray
          46449 GRAY
            234 GRAYS
          46647 GRAY
                (GRAY OR GRAYS)
L25           0 L24 AND GRAY

=> s L24 and grey
           4542 GREY
             17 GREYS
           4555 GREY
                (GREY OR GREYS)
L26           0 L24 AND GREY

=> s propigment?
L27          17 PROPIGMENT?

=> d L27 1 kwic

L27  ANSWER 1 OF 17  CAPLUS  COPYRIGHT 2003 ACS
AB   .  .  . al., 1973) for achieving genetic transformation is discussed.  In
     detg. whether information carrying donor DNA might be available to the
     propigment cells of embryos of Xiphophorus helleri, which are the
     target cells for the transformation, heterologous donor DNA-2H,3H from
     Escherichia coli,.  .  .  donor DNA is injected into the neural crest
     region.  The probability that a foreign gene might become available to the
     propigment cells and might induce transformation is discussed.


=> s L27 and L12
L28           0 L27 AND L12

=> s L24 and color
         348684 COLOR
          36362 COLORS
         368183 COLOR
                (COLOR OR COLORS)
L29           3 L24 AND COLOR

=> d L29 1-3 ibib,kwic

L29  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2003 ACS
ACCESSION NUMBER:         2002:545057  CAPLUS
DOCUMENT NUMBER:          137:230715
TITLE:                    Isolated premature pubarche: ultrasonographic and
                          color doppler analysis-a longitudinal study
AUTHOR(S):                Battaglia, Cesare; Regnani, Giorgia; Mancini, Fulvia;
                          Iughetti, Lorenzo; Bernasconi, Sergio; Volpe,
                          Annibale; Flamigni, Carlo; Venturoli, Stefano
```

CORPORATE SOURCE: Reproductive Medicine Unit, University of Bologna, Bologna, 40138, Italy
SOURCE: Journal of Clinical Endocrinology and Metabolism (2002), 87(7), 3148-3154
CODEN: JCEMAZ; ISSN: 0021-972X
PUBLISHER: Endocrine Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 73 THERE ARE 73 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

TI Isolated premature pubarche: ultrasonographic and **color** doppler analysis-a longitudinal study

AB Twenty-seven girls with premature pubarche were studied by ultrasonog. and **color** Doppler analyses to det. the incidence of polycystic ovaries (PCO), to longitudinally assess their evolution, and to search for any hormonal correlation. The girls were submitted to auxol., clin., and hormonal evaluation, and 21-hydroxylase deficiency was ruled out by an ACTH test. Furthermore, the girls underwent ultrasonog. and **color** Doppler ovarian and uterine analyses. Among girls with premature pubarche, the prevalence of PCO was 41%. Advanced skeletal maturation, tall stature, and increased **hair** distribution were const. in these patients. In patients with ultrasonog. and **color** Doppler evidence of PCO, the ovarian vol., the no. of small-sized subcapsular follicles, the stromal echogenicity, and the ovarian stromal vascularization progressively increased during the study. In the whole studied population, ovarian vol. correlated with the no. of small-sized follicles ($r = 0.719$; $P < 0.0001$). Furthermore, a slight and inverse correlation has been found between ovarian vol. and ovarian stromal artery pulsatility index ($r = -536$; $P = 0.048$). In conclusion, we affirm that PCO are greatly represented among girls with premature pubarche and progressively evolve.

IT Spectroscopy
(Doppler, **color**; plasma hormonal profile in girls with isolated premature pubarche-assocd. with polycystic ovaries detected by ultrasonog. and **color** doppler anal.)

IT Development, mammalian postnatal
(child; plasma hormonal profile in girls with isolated premature pubarche-assocd. with polycystic ovaries detected by ultrasonog. and **color** doppler anal.)

IT Human
Sound and Ultrasound
(plasma hormonal profile in girls with isolated premature pubarche-assocd. with polycystic ovaries detected by ultrasonog. and **color** doppler anal.)

IT Ovary, disease
(polycystic; plasma hormonal profile in girls with isolated premature pubarche-assocd. with polycystic ovaries detected by ultrasonog. and **color** doppler anal.)

IT Puberty
(premature pubarche, isolated; plasma hormonal profile in girls with isolated premature pubarche-assocd. with polycystic ovaries detected by ultrasonog. and **color** doppler anal.)

IT **Hair**
(pubic, premature pubarche, isolated; plasma hormonal profile in girls with isolated premature pubarche-assocd. with polycystic ovaries detected by ultrasonog. and **color** doppler anal.)

IT 50-23-7, Cortisol 50-28-2, Estradiol, biological studies 58-22-0, Testosterone **63-05-8**, Androstenedione 68-96-2, 17-Hydroxyprogesterone 651-48-9, DHEA sulfate 9002-67-9, LH 9002-68-0, FSH
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(plasma hormonal profile in girls with isolated premature pubarche-assocd. with polycystic ovaries detected by ultrasonog. and

color doppler anal.)

L29 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1966:431994 CAPLUS
DOCUMENT NUMBER: 65:31994
ORIGINAL REFERENCE NO.: 65:5965a-d
TITLE: Steroids in human skin and **hairs**. IV. Neutral 17-keto steroids in human **hairs**
AUTHOR(S): Julesz, M.; Faredin, I.; Toth, I.
CORPORATE SOURCE: Univ. Med. School, Szeged
SOURCE: Acta Med. Acad. Sci. Hung. (1966), 22(1), 49-52
DOCUMENT TYPE: Journal
LANGUAGE: English

TI Steroids in human skin and **hairs**. IV. Neutral 17-keto steroids in human **hairs**

AB cf. preceding abstr. **Hairs** cut from different areas (head, armpits, pubic region) of normal men and women were collected in batches of 400-1600 mg. and boiled under reflux in 40 ml. of 2.5% NaOH for 20 min. The soln. was neutralized with 3 ml. of 11N HCl. After adding 6 ml. of concd. HCl, it was boiled under reflux for another 15 min. Cooling was followed by extn. with 4 aliquots of 20 ml. of ether. The ethereal ext. was washed with 3 aliquots of 20 ml. of 2N NaOH and 2 of 20 ml. of distd. H2O. It was dehydrated with 3-5 g. of Na2SO4, filtered, and evapd. to dryness. The ext. was dissolved in 5 ml. of benzene and evapd. to dryness in vacuo. The residue was applied in 3 aliquots of 5 ml. of benzene onto a 2 g. Nymco Florisil column suspended in benzene. The column was washed with 15 ml. of benzene and then with 10 ml. of 0.5% EtOH in benzene. The 17-keto steroids were eluted from the column with 45 ml. of 2% EtOH in benzene. The eluate was evapd. to dryness, purified with Girard's reagent-T, and the ketonic fraction was sepd. The ketonic fraction was applied in benzene to a 0.25 mm. layer of alumina spread on a chromatographic plate and chromatographed with EtOAc-n-hexane-HOAc-EtOH (120:120:2:1) at 30.degree. for 3-4 hrs. After chromatography, the plate was dried and the layer sprayed with 1:1 2% m-dinitrobenzene in EtOH and 2.5N KOH in MeOH. After drying, the lilac-blue 17-keto steroid spots appeared. Head, axillary and pubic **hairs** contained 17-keto steroids; axillary **hairs** were the richest source. Dehydroepiandrosterone and 3-chloro-3-dehydroepiandrosterone were identified by their Rf in different thin-layer chromatographic systems and by different **color** reactions. In **hairs** from hirsute women two 17-keto steroids of low Rf value were detected; these were absent from the **hairs** of normal women. No qual. differences were observed between body **hairs** before and after ACTH treatment.

IT **Hair**
(17-keto steroid detn. in human)
IT Steroids
(17-keto, detn. in **hair**)
IT 14350-34-6, Androst-5-en-17-one, 3.alpha.-chloro-3-hydroxy-
(detection in **hair**)
IT **53-43-0**, Androst-5-en-17-one, 3.beta.-hydroxy-
(detection of, in **hair**)

L29 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1965:60650 CAPLUS
DOCUMENT NUMBER: 62:60650
ORIGINAL REFERENCE NO.: 62:10799f-g
TITLE: A stain of 3.beta.-hydroxy .DELTA.5-steroids and sterols
AUTHOR(S): Eberlein, Walter R.
CORPORATE SOURCE: Univ. of Pennsylvania, Philadelphia, PA
SOURCE: J. Clin. Endocrinol. Metab. (1965), 25(2), 288-9
DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB For paper chromatograms, 50 mg. of picric acid is dissolved in 16 ml. of AcOH to which is added 4 ml. of 70% perchloric acid. The paper strip is dipped in the soln., blotted, and heated at 70-75.degree. for 3 to 5 min. in a well ventilated oven. For thin-layer chromatograms, 100 mg. of picric acid is dissolved in 36 ml. of AcOH to which is added 6 ml. of 70% HClO4. This soln. is sprayed on the plate which is heated gently on a hot plate while the upper surface is dried with a **hair** dryer. The 3.beta.-hydroxy .DELTA.5-steroids usually appear as red spots against a white background. Certain steroids stain a characteristic shade of red, others usually stain an intense yellow which progresses to an orange, red, or blue **color**. The **colors** of the spots obtained for 31 steroids are described.

IT **53-43-0**, Androst-5-en-17-one, 3.beta.-hydroxy- 57-88-5, Cholesterol **145-13-1**, Pregn-5-en-20-one, 3.beta.-hydroxy- **387-79-1**, Pregn-5-en-20-one, 3.beta.,17-dihydroxy- 516-72-3, Cholest-5-ene-3.beta.,20.alpha.-diol 640-73-3, Pregn-5-ene-11,20-dione, 3.beta.-hydroxy- 853-26-9, Pregn-5-ene-3.beta.,20.beta.,21-triol 853-61-2, Pregn-5-ene-3.beta.,16.alpha.,20.beta.-triol 855-14-1, Pregn-5-ene-3.beta.,17,20.beta.,21-tetrol 901-56-4, Pregn-5-ene-3.beta.,20.alpha.-diol 901-57-5, Pregn-5-ene-3.beta.,20.beta.-diol 903-67-3, Pregn-5-ene-3.beta.,17,20.alpha.-triol 1050-84-6, Pregn-5-en-20-one, 3.beta.,11.beta.,17,21-tetrahydroxy- 1159-66-6, Androst-5-en-16-one, 3.beta.,17.beta.-dihydroxy- 1159-68-8, Androst-5-en-17-one, 3.beta.,16.beta.-dihydroxy- 1164-86-9, Pregn-5-en-20-one, 3.beta.,11.beta.-dihydroxy- 1164-98-3, Pregn-5-en-20-one, 3.beta.,21-dihydroxy- 1167-48-2, Pregn-5-en-20-one, 3.beta.,17,21-trihydroxy- 1231-81-8, Androst-5-en-17-one, 3.beta.,11.beta.-dihydroxy- 2140-46-7, Cholest-5-ene-3.beta.,25-diol 2665-04-5, Cholesta-5,24-dien-3.beta.-ol, acetate 4005-81-6, Cholest-5-ene-3.beta.,20.alpha.,22-triol 13095-61-9, Cholest-5-ene-3.beta.,26-diol 17520-02-4, Androst-5-ene-11,17-dione, 3.beta.-hydroxy 17711-16-9, Cholest-5-ene-3.beta.,22-diol 17752-16-8, Cholest-5-en-24-one, 3.beta.-hydroxy- 33530-84-6, Pregn-5-ene-7,20-dione, 3.beta.-hydroxy- 103308-38-9, Androst-5-ene-3.beta.,17.beta.-diol, 17-cyclohexanecarboxylate
(detection of, picric acid in)

```
=> s keratin
          9937 KERATIN
          8825 KERATINS
L30      13336 KERATIN
                (KERATIN OR KERATINS)

=> s L12 and L30
L31         13 L12 AND L30

=> d L31 1-13 ti
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L31 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2003 ACS
TI Methods and reagents for the rapid and efficient isolation of circulating cancer cells

L31 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2003 ACS
TI Treatment of respiratory and lung diseases with antisense oligonucleotides and a bronchodilating agent

L31 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2003 ACS
TI Treatment of respiratory and lung diseases with antisense oligonucleotides and a bronchodilating agent

L31 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2003 ACS

TI In vivo and in vitro immunological localization of dehydroepiandrosterone (DHEA) in rat submaxillary gland

L31 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2003 ACS
TI Pharmaceutical and cosmetic compositions containing oligosaccharide aldonic acids and their topical use

L31 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2003 ACS
TI Compositions and methods for treatment of alopecia

L31 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2003 ACS
TI **Keratin** formation promoters for prevention of skin roughness and aging

L31 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2003 ACS
TI Inhibition by dehydroepiandrosterone of butylated hydroxyanisole (BHA) promotion of rat-bladder carcinogenesis and enhancement of BHA-induced forestomach hyperplasia

L31 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2003 ACS
TI Mechanism of allergic cross-reactions. I. Multispecific binding of ligands to a mouse monoclonal anti-DNP IgE antibody

L31 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2003 ACS
TI Morphometric analysis of human epidermis treated with testosterone and dehydroepiandrosterone in organ culture

L31 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2003 ACS
TI Pharmacologically induced ultrastructural and immunohistochemical changes in the prostate of the castrated dog

L31 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2003 ACS
TI Characteristics of cells derived from the girdle region of the pre-implantation blastocyst of the donkey

L31 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2003 ACS
TI Studies of androgen metabolism and action in cultured hair and skin cells

=> d L31 6 ibib,kwic

L31 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:421535 CAPLUS
DOCUMENT NUMBER: 131:63203
TITLE: Compositions and methods for treatment of alopecia
INVENTOR(S): Mann, Morris A.
PATENT ASSIGNEE(S): USA
SOURCE: PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9932072	A1	19990701	WO 1998-US26955	19981218

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,

FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6030948	A	20000229	US 1997-994347	19971219
CA 2315395	AA	19990701	CA 1998-2315395	19981218
AU 9919281	A1	19990712	AU 1999-19281	19981218
EP 1039874	A1	20001004	EP 1998-964084	19981218
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2001526200	T2	20011218	JP 2000-525068	19981218

PRIORITY APPLN. INFO.: US 1997-994347 A 19971219
WO 1998-US26955 W 19981218

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB Hair regeneration compns. contg. T.alpha.1, T.beta.4, or a combination thereof for treating alopecia on the scalp of a patient in need thereof are disclosed. Treatment methods include (1) cleansing the scalp with a cleansing agent; (2) treating the cleansed scalp with a **keratin** solvent system; (3) applying a topical anesthetic (optional); (4) applying an acid peel soln.; (5) applying a hyperactive urea gel formula (optional) and (6) applying a hair regeneration compn.

IT 50-81-7, L-Ascorbic acid, biological studies 52-01-7, Spironolactone **53-43-0**, DHEA 57-13-6, Urea, biological studies 57-55-6, 1,2-Propanediol, biological studies 57-83-0, Progesterone, biological studies 58-72-0D, Triphenylethylene, derivs. 63-25-2, Carbaryl 65-85-0, Benzoic acid, biological studies 73-31-4 77-92-9, biological studies 83-34-1, Skatole 87-20-7, Isoamyl salicylate 87-22-9 89-78-1, Menthol 89-83-8, Thymol 97-53-0, Eugenol 100-51-6, Benzyl alcohol, biological studies 108-95-2, Phenol, biological studies 110-27-0, Isopropyl myristate 111-90-0 112-38-9, Undecylenic acid 112-80-1, 9-Octadecenoic acid (9Z)-, biological studies 118-58-1, Benzyl salicylate 119-36-8, Methyl salicylate 120-51-4, Benzyl benzoate 120-72-9, Indole, biological studies 122-99-6, Phenoxyethanol 124-43-6 126-07-8, Griseofulvin 127-17-3, biological studies 142-62-1, Caproic acid, biological studies 142-91-6, Isopropyl palmitate **145-13-1**, Pregnenolone 512-04-9, Diosgenin 700-06-1, Indole-3-carbinol 968-93-4, Testolactone 9002-93-1, Triton X-100 54965-24-1, Tamoxifen citrate 65277-42-1 69521-94-4, Thymosin .alpha.1 77642-24-1, Thymosin .beta.4 86386-73-4, Fluconazole 91161-71-6, Terbinafine 219315-98-7, PX-13
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(thymosin fractions in combination with secondary active agents for treatment of alopecia)

```
=> s canity
             1 CANITY
             9 CANITIES
L32         10 CANITY
                (CANITY OR CANITIES)

=> d l32 1-10 ti

L32  ANSWER 1 OF 10  CAPLUS  COPYRIGHT 2003 ACS
TI   Insect viruses expressing toxin genes from early promoters with increased
     virulence towards insect hostss

L32  ANSWER 2 OF 10  CAPLUS  COPYRIGHT 2003 ACS
TI   Fusion proteins of toxins and viral coat proteins for use in the
     development of insect-resistant plants

L32  ANSWER 3 OF 10  CAPLUS  COPYRIGHT 2003 ACS
TI   Mode of action of an insecticidal peptide toxin from the venom of a
```

weaving spider (Diguetia **canities**)

L32 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Insecticidal peptides of Diguetia **canities**, their manufacture with recombinant cells, and their use as insecticides

L32 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Characterization and cloning of insecticidal peptides from the primitive weaving spider Diguetia **canities**

L32 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Insecticidal peptides of Diguetia **canities**, their manufacture with recombinant cells, and their use as insecticides

L32 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Distributed Bragg mirror of angle reflector type

L32 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI **Canities** and alopecia associated with avitaminosis in children

L32 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Vitamins of yeast

L32 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Pitmelanin therapy in **canities**. A preliminary report

=> s L32 and L12
L33 0 L32 AND L12

=> d L32 8 abs

L32 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS
AB Infants and young children in Costa Pica manifest loss and depigmentation of hair as a result of mixed avitaminoses. These changes are reversible if the child survives the deficiency state and is given an adequate diet. Biotin is thought to be especially effective in accelerating normal growth and pigmentation, but this has not actually been proven.

=> d his

(FILE 'HOME' ENTERED AT 16:05:47 ON 07 JAN 2003)

FILE 'REGISTRY' ENTERED AT 16:05:55 ON 07 JAN 2003
E PREGNENOLONE
E 5-ANDROSTENEDIOL

FILE 'REGISTRY' ENTERED AT 16:34:00 ON 07 JAN 2003
E HYDROXYPREGNENOLONE
L1 33 S E3
E DIHYDROXYANDROST
E DIHYDROXYANDROSTENE
L2 37 S DIHYDROXY AND ANDROSTENE
L3 8 S L2 AND 3,17-DIHYDROXY
L4 2 S 3.BETA.,17.BETA.-DIHYDROXYANDROST-5-ENE
L5 1 S 53-43-0/RN
L6 1 S 521-17-5/RN
L7 1 S 63-05-8/RN
L8 1 S 145-13-1/RN
L9 1 S 387-79-1/RN
L10 1 S 304655-83-2/RN
L11 1 S 28901-70-4/RN

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     FILE 'CAPLUS' ENTERED AT 16:53:16 ON 07 JAN 2003
L12        14949 S L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11
L13          375 S L12 AND SKIN
L14            0 S L13 AND BLEACH
L15            4 S L13 AND DEPIGMENT?
L16            1 S L12 AND MELASMA
L17            9 S CANITIES
L18            0 S L12 AND L17
L19           87 S HAIR(P)GREY
L20          691 S HAIR(P)GRAY
L21          774 S L19 OR L20
L22            0 S L12 AND L21
L23        47747 S HAIR
L24          120 S L12 AND L23
L25            0 S L24 AND GRAY
L26            0 S L24 AND GREY
L27           17 S PROPIGMENT?
L28            0 S L27 AND L12
L29            3 S L24 AND COLOR
L30        13336 S KERATIN
L31           13 S L12 AND L30
L32           10 S CANITY
L33            0 S L32 AND L12

=> file stng
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    69.54     191.49

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -5.86      -5.86

FILE 'STNGUIDE' ENTERED AT 17:07:11 ON 07 JAN 2003
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Dec 20, 2002 (20021220/UP).
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